

Water Resources Division
Qimugjuk Building
P.O. Box 2200
Iqaluit, Nunavut
X0A 0H0

référence

Your file - Votre

NWB3COR

Our file - Notre référence

July 25, 2002

Ms. Phyllis Beaulieu
Acting Licensing Administrator
Nunavut Water Board
P.O. Box 119
Gjoa Haven, Nunavut
X0E 1J0

Dear Ms. Beaulieu:

Re: Coral Harbour - Water Licence Application

The Hamlet of Coral Harbour submitted a water licence application in May of 2002 and the Nunavut Water Board (NWB) review was initiated on July 8, 2002. As the previous licence has expired, the application is for a new water licence for municipal water use and waste disposal. The following conditions are suggested for the NWB's consideration:

Conditions Applying to Water Use:

- in accordance with the application, a water use limit of 34,000 m³/year should be sufficient for the requested term of the licence (10 years)

Conditions Applying to Waste Disposal: Solid Waste Disposal Site

- develop and implement an Operation and Maintenance Plan that outlines procedures for the safe handling, storage and disposal of waste oil and other hazardous wastes, storage and disposal/removal of bulky items and scrap metal, trench filling, compacting and covering
- designate a suitable area for hazardous waste storage, if plans to purchase a waste oil furnace are implemented, develop a procedure for bulking, settling and storing the waste oil
- relocate all bulky wastes to a single area within the footprint of the solid waste disposal site, restore former sites
- install and maintain fencing to prevent scattering of solid waste
- ensure that wastes are not deposited into water, specifically the pooled water along

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- the toe of the solid waste disposal facility
- establish an SNP station to monitor standing water quality at the landfill site, past analytical results from this pond have indicated metal concentrations exceeding the *Canadian Water Quality Guidelines for the Protection of Freshwater Aquatic Life* (copper-5 µg/L vs 4 µg/L; iron-2.36 mg/L vs 0.3 mg/L, and zinc-130 µg/L vs 30 µg/L)
- submit a plan to improve drainage at the waste disposal site and prevent the accumulation of standing water
- prepare and submit an Abandonment and Reclamation Plan for the waste disposal site

Conditions Applying to Waste Disposal: Wastewater

- sample wetland treatment system effluent monthly, during periods of flow, as per the *Guidelines for the Discharge of Treated Municipal Wastewater in the Northwest Territories* (1992), the effluent must meet the following criteria:

Total Suspended Solids - 100 mg/L	pH - 6-9
BOD - 80 mg/L	Oil and Grease - no visible sheen
Total Coliforms - 10,000 CFU/100 mL	Ammonia - monitor only
- ensure that any solid wastes and litter are removed from the wetland area on a regular basis

General Comments

- control all activities, including maintenance procedures and refueling, to prevent the entry of petroleum products or other deleterious substances into the water
- report all spills of oil, fuel, or other deleterious material immediately to the 24-Hour Spill Line at (867) 920-8130
- ensure that appropriate training of municipal staff is completed to ensure quality control in sampling collection and preparation

I hope these comments will be of assistance during the licensing process, should you have any questions or comments, please do not hesitate to contact me at (867) 975-4548 or by e-mail at johnsonmi@inac.gc.ca.

Sincerely,
Original signed by:

Michelle Johnson
Kitikmeot/Kivalliq Regional Coordinator

- 3 -

c.c.: Mr. C. Bodykevich, Water Resources Officer